

ORIGINAL  
FILE

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September 17, 1992

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Ms. Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

Re: Petition for Reconsideration of  
Report and Order DA92-1128  
Paradise and Fort Bragg, CA

Dear Ms. Searcy:

On September 11, 1992, Henry Radio Co. filed the above-referenced Petition for Reconsideration. Through inadvertence the Engineering Report that was to be attached was inadvertently omitted. Please find enclosed the original and three copies of the Engineering Report. Kindly associate it with the Petition for Reconsideration. Thank you for your assistance in this regard.

Should you have any further questions concerning this matter please contact this office directly.

Very truly yours,

  
Richard M. Riehl

RMR/das

Enclosure

cc: (w/encl)  
Mr. Robert Cheal  
Ms. Nancy Joyner (FCC)  
Mr. Michael Ruger (FCC)

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

ORIGINAL  
FILE

THE HENRY RADIO COMPANY

RADIO STATION KLLK-FM  
CHANNEL 228B, 93.5 MHz  
FORT BRAGG, CALIFORNIA

ENGINEERING EXHIBIT IN SUPPORT OF  
PETITION FOR RECONSIDERATION FOR KLLK-FM  
IN MM DOCKET NO. 92-86 (RM-7961)

August 18, 1992

Brian J. Henry  
Consulting Engineer  
Willits, California

① + 3  
No. of Copies rec'd \_\_\_\_\_  
List A B C D E \_\_\_\_\_

RADIO STATION KLLK-FM  
CHANNEL 228B, 93.5 MHz  
FORT BRAGG, CALIFORNIA

**STATEMENT OF BRIAN J. HENRY, CONSULTING ENGINEER**

I have been retained by the Licensee of KLLK-FM at Fort Bragg, California (FCC License File No. BMLH-910318KC) to prepare the engineering portion of this Engineering Exhibit of this Petition For Reconsideration.

**ALLOCATION CONSIDERATIONS**

The purpose of this Engineering Exhibit is to provide information to support a change in the reference point coordinates for KLLK-FM within the context of The Commission's rulemaking proceeding of upgrading KZZP(FM) from its present Class "A" status to that of a Class "B1" facility. It was requested by Paradise Broadcasting Incorporated (Paradise) in MM Docket No. 92-86 (RM-7961) that KLLK-FM be moved from channel 244B to 228B to facilitate its upgrade to that of a Class B1 facility.

In this Petition for Reconsideration, The Henry Radio Company is requesting to have the reference point for KLLK-FM moved inland from the Pacific coastline to afford it an improved transmitter location that the allocation of channel 228B in the Paradise rulemaking provides for. The existing transmitter site at Bald Hill (N39-27-53, W123-45-27) is approximately five kilometers from the Pacific Ocean, and renders a significant portion of the station's wide area Class B coverage as unuseable to the local population.

The proposed reference point change for KLLK-FM can be made in compliance with the required mileage separation and city grade signal coverage stipulations using the geographic coordinates of North Latitude 39-21-46 and West Longitude 123-28-31. A transmitter located at this location will provide the required city grade coverage to the entire city of Fort Bragg, California.

A frequency search was performed for Fort Bragg, California on channel 228B using these coordinates. The results show that this proposal meets all the mileage separation criteria as required by the Rules and Regulations.

**DISTANCE TO 70 DBU CONTOUR**

The proposed transmitter location (N39-21-46, W123-28-31) is located 30.5 km east of Fort Bragg, California. Assuming maximum Class B facilities, the proposed 70 dBu contour will encompass Fort Bragg, California.

### CONCLUSIONS

1. The proposed new reference point will allow KLLK-FM to significantly improve its service to the residents of Fort Bragg, California by placing more of it's authorized signal over land rather than out over the Pacific Ocean.

2. All mileage separation and spacing requirements required by the Rules and Regulations are satisfied.

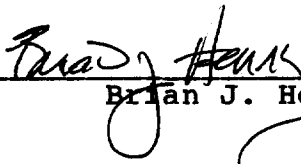
### LIST OF FIGURES

In Carrying out the engineering studies, the following attached figures were prepared by me or under my direct supervision.

1. FM Channel Study for Fort Bragg, California on Channel 228B.

2. Geographic Map showing that KLLK-FM's class contour of 32 km completely encompasses the community of Fort Bragg, California from the proposed new reference point.

BRIAN J. HENRY  
Consulting Engineer

  
\_\_\_\_\_  
Brian J. Henry


August 18, 1992

**AFFIDAVIT**

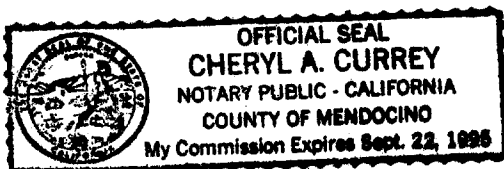
State of California       )  
                                  )       ss:  
County of Mendocino     )

Brian J. Henry, being duly sworn upon oath, deposes and says:

1. That he is qualified engineer employed as Brian J. Henry, Consulting Engineer.
2. That he graduated with honors from Napa College with an Associated of Arts Degree in Natural Science in 1982, and a Bachelor of Arts Degree in Mass Communications from the University of California at Berkeley in 1984.
3. That the firm of Brian J. Henry . Consulting Engineer, has been retained by The Henry Radio Company for the purpose of preparing this engineering exhibit for this Petition for Reconsideration.
4. That he has carried out such engineering work and that the results are attached hereto and form a part of this affidavit, and
5. That the foregoing statement and the report regarding the aforementioned engineering work are true and correct of his own knowledge except such statements therein made on information and belief, and as such statements, he believes then to be true.

  
\_\_\_\_\_  
Brian J. Henry

Subscribed and sworn to before me this 18th day of August, 1992.



  
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## Broadcast Data Services

Date 8/18/92

page 1

Study Name : KLLK-FM

Channel : 228B

Coordinates : N 39 21 46.0 W 123 28 31.0 (New Reference Point)

Separations : FM Zones 1 - Commercial

Safety Zone : 50 km

Call City	File Number State	Chan Status	ERP HAAT	Latitude Longitude	Bear Zone	Dist(km) Notes	Required Clearance
KHTT	BLH-791211AJ	225B	2.30	38 45 45.0	140.4	86.40	74.0
HEALDSBURG	CA	LIC	595	122 50 24.0	1		12.4
KXGO	BLH-850606KJ	226C	100	40 43 36.0	344.6	157.26	105.0
ARCATA	CA	LIC	500	123 58 19.0	1		52.3
KYA	BLH-880429KB	227B	50.0	37 43 27.0	146.7	216.97	169.0
SAN FRANCISCO	CA	LIC	150	122 7 7.0	1		48.0
KSUEFM	BLH-860716KA	227C	100	40 27 13.0	63.0	276.34	217.0
SUSANVILLE	CA	LIC	352	120 34 14.0	2	Comnt	59.3
D92-86	RM-7961	228B		39 27 53.0	295.1	26.81	241.0
FORT BRAGG	CA	PADD		123 45 27.0	1		-214.2
KRXQ	BLH-880819KG	229B1	25.0	38 43 12.0	109.6	206.60	145.0
ROSEVILLE	CA	LIC	99	121 14 9.0	1		61.6
KRXQ	BPH-920407IB	229B1	25.0	38 44 22.0	108.8	207.68	145.0
ROSEVILLE	CA	APP	100	121 12 48.0	1		62.7
NEW	BPH-880519MX	229A	0.53	38 20 43.0	154.6	124.92	113.0
SEBASTOPOL	CA	APPG	238	122 51 38.0	1	Comnt	11.9
NEW	BPH-880519MD	229A	0.62	38 20 42.0	154.6	124.95	113.0
SEBASTOPOL	CA	APPD	222	122 51 38.0	1	Comnt	12.0
NEW	BPH-880519NR	229A	0.63	38 20 51.0	154.7	124.54	113.0
SEBASTOPOL	CA	APPD	207	122 51 54.0	1	Comnt	11.5
NEW	BPH-880518MB	229A	0.65	38 20 52.0	154.7	124.53	113.0
SEBASTOPOL	CA	APPD	208	122 51 52.0	1	Comnt	11.5
D80-90		229A		38 24 .0	151.9	120.99	113.0
SEBASTOPOL	CA	ALC		122 49 18.0	1	Comnt	8.0
KTMT	BLH-890803KC	229C	31.0	42 4 55.0	11.7	308.65	217.0
MEDFORD	OR	LIC	994	122 43 7.0	2		91.6
KFMF	BLH-880811LB	230B1	2.00	39 56 46.0	66.1	163.87	71.0
CHICO	CA	LIC	344	121 43 17.0	1		92.9

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BRIAN J. HENRY  
CONSULTING ENGINEER

FIGURE 1

## Broadcast Data Services

Date 8/18/92

Page 2

Study Name : KLLK-FM

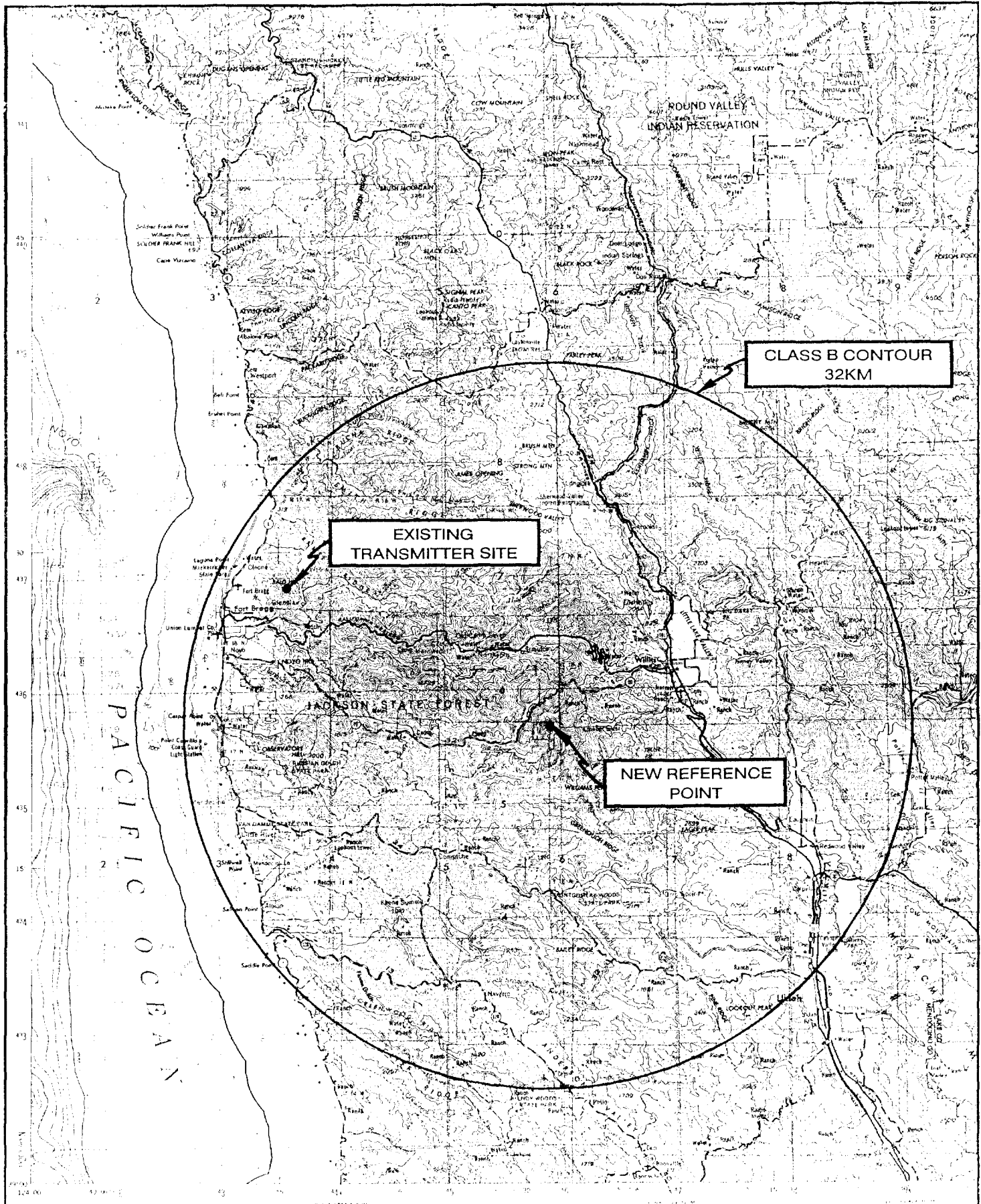
Channel : 228B

Coordinates : N 39 21 46.0 W 123 28 31.0 (New Reference Point)

Separations : FM Zone 1 - Commercial

Safety Zone : 50 km

Call City	File Number State	Chan Status	ERP HAAT	Latitude Longitude	Bear Zone	Dist(km) Notes	Required Clearance
KPFA BERKELEY	BLH-4054 CA	231B LIC	59.0 405	37 51 55.0 122 13 12.0	146.4 1	198.96	74.0 125.0
NEW WINDSOR	BPH-911115ME CA	281A APPM	0.28 338	38 32 25.0 122 57 41.0	153.9 1	101.60 Comnt	15.0 86.6
NEW WINDSOR	BPH-911115MJ CA	281A APP	0.26 344	38 32 24.0 122 57 39.0	153.9 1	101.64 Comnt	15.0 86.6
NEW WINDSOR	BPH-911115MT CA	281A APP	0.25 337	38 32 24.0 122 57 39.0	153.9 1	101.64 Comnt	15.0 86.6
NEW WINDSOR	BPH-911115MR CA	281A APP	0.24 346	38 32 25.0 122 57 40.0	153.9 1	101.61 Comnt	15.0 86.6
WINDSOR	CA	281A ALC		38 36 37.0 122 53 12.0	148.5 1	97.87 Comnt	15.0 82.9
WINDSOR	CA	281A ADD		38 36 37.0 122 53 12.0	148.5 1	97.87	15.0 82.9
KSHA REDDING	BLH-840405BY CA	282C LIC	100 475	40 39 14.0 122 31 12.0	29.2 2	164.94	35.0 129.9
KSHA REDDING	BPH-920622IB CA	282C APP	100 475	40 39 14.0 122 31 12.0	29.2 2	164.94	35.0 129.9



KILOMETERS

SOURCE: USGS 1:250,000 UKIAH, CALIFORNIA TOPOGRAPHIC NJ 10-2

BRIAN J. HENRY  
CONSULTING ENGINEER  
WILLITS, CALIFORNIA

RADIO STATION KLLK-FM  
CHANNEL 228B, 93.5 MHZ  
FORT BRAGG, CALIFORNIA

CLASS B 70 DBU CONTOUR

920819

FIGURE 2